

AMENDMENTS TO THE CLAIMS

Please amend the claims as shown below, with insertions indicated by underlining and deletions indicated by strikethrough and/or double bracketing.

1. (Currently amended) A method of evaluating grammars associated with a voice portal on a portal server, said method comprising:

generating a test input for a current grammar of the voice portal, the test input including a test pattern;

providing the test input to the voice portal on the portal server using a voice server;

~~analyzing the test pattern with respect to a set of active grammars corresponding to the current grammar with a speech recognition engine in the voice portal, the current grammar being one grammar of the set of active grammars; and~~

~~deriving a receiving at least one~~ measure of how distinguishable the current grammar is from other grammars of [[the]] a set of active grammars that are active when the current grammar is active based at least in part on [[the]] analysis of the test pattern with respect to the set of active grammars, the current grammar being one grammar of the set of active grammars;
and

determining whether to modify the current grammar based at least in part on the at least one measure.

2. (Currently amended) The method of claim 1, wherein ~~deriving a the at least one~~ measure of how distinguishable the current grammar is from other grammars of the set of active grammars includes ~~deriving~~ a confidence level and a set of n-best results for the test input, and wherein the method further comprises comparing the confidence level and set of n-best results for the test input with an expected value to assess the at least one measure of how distinguishable the current grammar is from other grammars of the set of active grammars.

3. (Currently amended) The method of claim 1, further comprising modifying the current grammar to create a modified grammar if the ~~derived at least one~~ measure ~~deviates from a pre-~~

determined range indicates that the current grammar is not sufficiently distinguishable from the other grammars of the set of active grammars.

4. (Currently amended) The method of claim 3, further comprising:

(i) generating a test input for the modified grammar, the test input including a test pattern for the modified grammar;

(ii) providing the test input for the modified grammar to the voice portal on the portal server using the voice server;

~~(iii)—analyzing the test pattern for the modified grammar with respect to a set of active grammars corresponding to the modified grammar with the speech recognition engine in the voice portal, the modified grammar being one grammar of the set of active grammars corresponding to the modified grammar;~~

(iv) (iii) deriving receiving at least one [[a]] measure of how distinguishable the modified grammar is from other grammars of [[the]] a set of active grammars corresponding to that are active when the modified grammar is active, the modified grammar being one grammar of the set of active grammars that are active when the modified grammar is active; and

~~(iv)~~ (iv) re-modifying the modified grammar and repeating steps (i) through (iv) (iii) until the at least one measure of how distinguishable the modified grammar is from other grammars of the set of active grammars corresponding to that are active when the modified grammar is active does not deviate from a pre-determined range indicates that the modified grammar is sufficiently distinguishable from the other grammars of the set of active grammars that are active when the modified grammar is active.

5. (Currently amended) The method of claim 1, further comprising modifying the test pattern to emulate one or more user voices prior to entering providing the test input into to the voice portal.

6. (Currently amended) The method of claim 1, further comprising modifying the test pattern to emulate the influence of one or more communications network qualities prior to ~~entering~~ providing the test input ~~into~~ to the voice portal.

7. (Currently amended) A computer-readable storage medium encoded with instructions which, when executed by a computer, cause the computer to perform a method of evaluating grammars associated with a voice portal, the method comprising:

generating a test input for a current grammar of the voice portal, the test input including a test pattern;

providing the test input to the voice portal;

~~analyzing the test pattern with respect to a set of active grammars corresponding to the current grammar with a speech recognition engine in the voice portal, the current grammar being one grammar of the set of active grammars; and~~

~~deriving a~~ receiving at least one measure of how distinguishable the current grammar is from other grammars of ~~[[the]]~~ a set of active grammars ~~that are active when the current grammar is active~~ based at least in part on ~~[[the]]~~ analysis of the test pattern with respect to the set of active grammars, the current grammar being one grammar of the set of active grammars; and

determining whether to modify the current grammar based at least in part on the at least one measure.

8. (Currently amended) The computer-readable storage medium of claim 7, wherein ~~deriving a~~ the at least one measure of how distinguishable the current grammar is from other grammars of the set of active grammars includes ~~deriving~~ a confidence level and a set of n-best results for the test input, and wherein the method further comprises comparing the confidence level and set of n-best results for the test input with an expected value to assess the at least one measure of how distinguishable the current grammar is from other grammars of the set of active grammars.

9. (Currently amended) The computer-readable storage medium of claim 7, wherein the method further comprises modifying the current grammar to create a modified grammar if the derived at least one measure deviates from a pre-determined range indicates that the current grammar is not sufficiently distinguishable from the other grammars of the set of active grammars.

10. (Currently amended) The computer-readable storage medium of claim 9, wherein the method further comprises:

- (i) generating a test input for the modified grammar, the test input including a test pattern for the modified grammar;
- (ii) providing the test input for the modified grammar to the voice portal;
- (iii) ~~analyzing the test pattern for the modified grammar with respect to a set of active grammars corresponding to the modified grammar with the speech recognition engine in the voice portal, the modified grammar being one grammar of the set of active grammars corresponding to the modified grammar;~~

~~(iv)(iii) deriving a~~ receiving at least one measure of how distinguishable the modified grammar is from other grammars of ~~[[the]]~~ a set of active grammars ~~corresponding to that are~~ active when the modified grammar is active, the modified grammar being one grammar of the set of active grammars that are active when the modified grammar is active; and

~~(v)(iv)~~ re-modifying the modified grammar and repeating steps (i) through (iv) (iii) until the at least one measure of how distinguishable the modified grammar is from other grammars of the set of active grammars ~~corresponding to that are active when~~ the modified grammar is active does not deviate from a pre-determined range indicates that the modified grammar is sufficiently distinguishable from the other grammars of the set of active grammars that are active when the modified grammar is active.

11. (Currently amended) The computer-readable storage medium of claim 7, wherein the method further comprises modifying the test pattern to emulate one or more user voices prior to entering providing the test input into the voice portal.

12. (Currently amended) The computer-readable storage medium of claim 7, wherein the method further comprises modifying the test pattern to emulate the influence of one or more communications network qualities prior to ~~entering~~ providing the test input ~~into~~ to the voice portal.

13. (Currently amended) A system for evaluating grammars of a voice portal ~~executing on a portal server~~having a speech recognition engine, the system comprising:

an analysis interface for extracting a current grammar from a set of active grammars of the voice portal, the current grammar being one grammar of the set of active grammars;

~~a test pattern generator for generating a test input for each the current grammar of a set of current grammars of the voice portal, the test input including a test pattern;~~

~~a text-to-speech engine on a computer for entering each the test pattern input into the voice portal;~~

~~a results collector for analyzing each the test pattern input entered into the voice portal with the speech recognition engine against [[a]] the set of active grammars corresponding to the current grammar for a respective test pattern, the current grammar being one grammar of the set of active grammars; and~~

~~a results analyzer for deriving a set of statistics indicative of how distinguishable each the current grammar of the set of current grammars is from other grammars of the corresponding set of active grammars.~~

14. (Currently amended) The system of claim 13, wherein the set of statistics includes a confidence level and a set of n-best results for ~~each the~~ test input, and wherein the results analyzer is configured to compare the confidence level and set of n-best results for ~~each the~~ test input with an expected value to assess how distinguishable ~~each the~~ current grammar ~~of the set of current grammars is with respect to is from~~ other grammars of ~~its corresponding the~~ set of active grammars.

15. (Currently amended) The system of claim 13, wherein the test pattern generator is configured to modify ~~each~~ the test pattern to emulate one or more user voices prior to entering the test input into the voice portal.

16. (Currently amended) The system of claim 13, wherein the test pattern generator is configured to modify ~~each~~ the test pattern to emulate the influence of one or more communications network qualities prior to entering the test input into the voice portal.

17. (Cancelled)